Take Test: Quiz 2.1

Test Information

Description	
Instructions	
Multiple Attempts	This test allows multiple attempts.
Force Completion	This test can be saved and resumed later.

QUESTION 1 **1 points** Saved

What are the three types of dynamical system models?

- ○ Input, output, and system
- ◉ Transfer function, differential equations, and state-space models
- ○ RLC circuits, op-amps, and spring-mass-damper systems.

QUESTION 2 **1 points** Saved

What are the three elements of a transfer function?

- ○ Input, output, and Laplace transform
- ○ RLC circuits, op-amps, and spring-mass-damper systems
- ○ Transfer function, differential equations, and state-space models
- ◉ Input, output, and system

Question Completion Status:

QUESTION 3

1 points Saved

Which of the following equations describes the relationship between the input, output, and system?

- $R(s) = Y(s) \cdot G(s)$
- $Y(s) = G(s) + R(s)$
- $Y(s) = R(s) - G(s)$
- $Y(s) = R(s) \cdot G(s)$

QUESTION 4

1 points Saved

Which of the following is true?

- The Laplace transform transforms a signal in the time domain to the frequency domain.
- The Laplace transform transforms a signal in the s-domain to the frequency domain.
- The Laplace transform transforms a signal in the time domain to the s-domain.
- The Laplace transform transforms a signal in the frequency domain to the time domain.

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Save All Answers Save and Submit